**Precalculus**

**Chapter 3 Assignment Sheet**

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| **Date** | **Objectives** | **Textbook Correlation** | **Homework Assignment** |
|  | * Recognize, evaluate, and graph exponential functions with bases *e* and *a.* * Use exponential functions to model and solve real-life applications. | 3.1 | p. 206: 1 – 5 odds, 7 – 18 all, 43, 55, 63 |
|  | * Recognize, evaluate, and graph logarithmic functions with bases *e* and *a.* * Use log functions to model and solve real-life applications. | 3.2 | p. 216: 1 – 27 odds, 33 – 39 all, 63, 64, 65 |
|  | * Rewrite logarithmic functions with a different base. * Use properties of logarithms to evaluate, rewrite, expand, and condense logarithmic expressions. | 3.3 | p. 223: 2-26 evens, 30, 33, 35, 40-52 evens, 58-70 all |
|  | * Solve exponential and logarithmic equations. * Use exponential and log equations to model and solve real-life applications. | 3.4 | p. 232: 7 – 27 odds, 49, 57, 77 – 85 odds |
|  | * **QUIZ SECTIONS 3.1 – 3.4** |  | **No Homework! ☺** |
|  | * Recognize the 5 most common types of models involving exponential and logarithmic functions. * Use exponential growth and decay functions, Gaussian functions, logistic growth functions, and log functions to model and solve real-life problems. | 3.5 | p. 243: 1 – 7, 17, 25, 31 |
|  | **Review Chapter 3** |  | **Study for Chapter 3 Test!!** |
|  | **Chapter 3 Test** |  |  |